

Report No.: EH/2012/40053 Issue Date: Apr. 30, 2012 Page 1 of 67

ELECTROMAGNETIC EMISSIONS COMPLIANCE REPORT

INTENTIONAL RADIATOR CERTIFICATION TO FCC PART 22 SUBPART H, PART 24 SUBPART E

	OF
Product Name:	Starfinder Lite
Brand Name:	Starfinder Lite
Model No.:	Starfinder Lite
Model Differences:	N/A
FCC ID:	TET-SFLITELOCATOR
Report No.:	EH/2012/40053
Issue Date:	Apr. 30, 2012
FCC Rule Part:	2 , 22H & 24E
Prepared for:	Laipac Technology Inc 50 West Beaver Creek Rd. Richmond Hill On- tario L4B 1G5 Canada
Prepared by:	SGS Taiwan Ltd. Electronics & Communication Laboratory No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei County, Taiwan.

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VERIFICATION OF COMPLIANCE

Applicant:	Laipac Technology Inc 50 West Beaver Creek Rd. Richmond Hill Ontario L4B 1G5 Canada
Product Name:	Starfinder Lite
Brand Name:	Starfinder Lite
Model No.:	Starfinder Lite
Model Different:	N/A
FCC ID:	TET-SFLITELOCATOR
File Number:	EH/2012/40053
Date of test:	Apr. 20, 2012 ~ Apr. 26, 2012
Date of EUT Received:	Apr. 20, 2012

We hereby certify that:

The above equipment was tested by SGS Taiwan Ltd. Electronics & Communication Laboratory The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in TIA/EIA-603-C-2004 and the energy emitted by the sample EUT tested as described in this report is in compliance with conducted and radiated emission limits of FCC Rule FCC PART 22 subpart H, PART 24 subpart E.

The test results of this report relate only to the tested sample identified in this report.

Test By:	Jay Lin	Date:	Apr. 30, 2012
	Jay Lin / Engineer		
Prepared By:	Tiffany Kao	Date:	Apr. 30, 2012
	Tiffany Kao / Clerk		
Approved By:	Jim Chang	Date:	Apr. 30, 2012
	Jim Chang / Supervisor		

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Version

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00	Apr. 30, 2012	Initial creation of document

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1. GENERAL PRODUCT INFORMATION

General:

Product Name:	Starfinder Lite			
Brand Name:	Starfinde	Starfinder Lite		
Model No.:	Starfinde	r Lite		
Model Difference:	N/A			
GPS Antenna	Model No.: P1-SMA, Supplier: Laipac Tech.			
GSM Antenna	Model No.: P1-GSM, Supplier: Laipac Tech.			
Harness Cables	Model No	Model No.: N/A, Supplier: N/A		
	3.7Vdc Li-Ion battery or 7-38Vdc by DC power supply			
Power Supply: Battery:		Model No.: PTI PL053648P, Supplier: Top Energy (HongKong) Co., Limited		

GSM/GPRS:

Cellular Phone Standards Frequency Range and Power:	Operating Frequency	Rated Power	
	GSM/GPRS 850, Class 10	824.2 MHz- 848.8MHz	33 dBm
	GSM/GPRS 1900, Class 10	1850.2MHz – 1909.8MHz	30 dBm
Type of Emission:	GPRS850: 247KGXW, GPRS1900: 247KGXW		
Hardware Version:	V4.2		
Software Version:	Version 0.1		
IMEI:	35466004.227460.8		

Final Amplifier Voltage and Current Information:

Test Mode	DC voltage (V)	DC current (mA)
GPRS 850	3.7 Vdc	360
GPRS 1900	3.7 Vdc	350

This test report applies for GPRS 850/1900.

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1.1. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: <u>**TET-SFLITELOCATOR**</u> filing to comply with Section Part 22 subpart H, Part 24 subpart E of the FCC CFR 47 Rules.

1.2. Test Methodology

Both conducted and radiated testing were performed according to the procedures document of TIA/EIA 603C and FCC CFR 47.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057.

1.3. Test Facility

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 134, Wu Kung Rd., Wuku Industrial Zone, Taipei Country, Taiwan which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003. FCC Registration Number are: 990257 and 236194, Canada Registration Number: 4620A-4

The 10 m Open Area Test Sites located on the address of SGS Taiwan Ltd. Electronics & Communication Laboratory No. 29, Pau-Tou-Tsuo Valley Chia-Pau Tsuen, Linkou Hsiang, Taipei county, which is constructed and calibrated to meet the CISPR 22/EN 55022 requirements. SGS Site No. 1(3 &10 meters) and FCC Registration Number: 94644.

All equipment is calibrated externally and traceable to SI (International System of Unit).

1.4. Special Accessories

Not available for this EUT intended for grant.

1.5. Equipment Modifications

Not available for this EUT intended for grant.

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2. SYSTEM TEST CONFIGURATION

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT (Transmitter) was operated in the engineering mode to fix the Tx frequency which was for the purpose of the measurements.

2.3. Test Procedure

2.3.1 Conducted Measurement at Antenna Port:

According to measurement procured TIA/EIA 603C and RSS-Gen, the EUT is placed on a turn table which is 0.8 m above ground plane. A low loss of RF cable was used to connect the antenna port of EUT to measurement equipment.

2.3.2 Radiated Emissions (ERP/EIRP):

According to measurement procured TIA/EIA 603C and RSS-Gen, The EUT is a placed on as turn table which is 0.8 m above ground plane. The turn table shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both Horizontal and Vertical. In order to find out the max. emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes and measurement procedures for electric field radiated emissions above 1 GHz the EUT measurement is to be made "while keeping the antenna in the 'cone of radiation' from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response." is still within the 3dB illumination BW of the measurement antenna according to the requirements in Section 8 and 13 of ANSI C63.4:2003.

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2.4. Measurement Equipment Used:

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY51100003	04/15/2011	04/14/2013
Spectrum Analyzer	Agilent	E4440A	US41160416	03/17/2012	03/16/2014
Radio Communication Analyzer	R & S	CMU200	102189	08/12/2010	08/11/2012
WIDEB. RADIO COMIN. TESTER	R & S	CMW500	101582	07/12/2010	07/11/2012
Temperature Chamber	TERCHY	MHG-120LF	911009	04/16/2012	04/15/2014
DC Block	Mini-Circuits	BLK-18-S+	1	02/28/2012	02/27/2013
Attenuator	Mini-Circuit	BW-S10W2+	002	02/28/2012	02/27/2013
Splitter	Agilent	11636B	N/A	02/28/2012	02/27/2013
DC Power Supply	Agilent	E3640A	MY40005907	07/15/2011	07/14/2013

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ERP, EIRP MEASUREMENT EQUIPMENT List 966 Chamber					
EQUIPMENT		MODEL	SERIAL	LAST	
ТҮРЕ	MFR	NUMBER	NUMBER	CAL.	CAL DUE.
Spectrum Analyzer	Agilent	E4446A	MY51100003	04/15/2011	04/14/2013
EXA Spectrum Analyzer	Agilent	N9010A	MY50420195	02/15/2011	02/14/2013
Spectrum Analyzer	R&S	FSV-30	101398	10/18/2011	10/17/2013
Bilog Antenna	SCHWAZBECK	VULB9168	378	01/10/2012	01/09/2014
Bilog Antenna	SCHWAZBECK	VULB9160	3158	11/24/2011	11/23/2013
Dipole Antenna	SCHWAZBECK	VHAP	908/909	07/17/2010	07/16/2012
Dipole Antenna	SCHWAZBECK	UHAP	891/892	07/17/2010	07/16/2012
Horn antenna	ETS.LINDGREN	3117	123995	05/19/2011	05/18/2013
Horn antenna	ETS.LINDGREN	3117	123995	05/19/2011	05/18/2013
Horn Antenna	Schwarzbeck	BBHA9170	184	01/17/2012	01/17/2014
Horn Antenna	Schwarzbeck	BBHA9170	185	07/11/2011	07/10/2013
RF amplifier	Miteq	AMF-6F-2600 400-40-8P	971576	12/28/2011	12/27/2012
Signal Generator	R&S	SMR40	100210	02/02/2012	02/01/2014
Signal Generator	Agilent	E4438C	MY45093613	07/15/2011	07/14/2013
Pre-Amplifier	Agilent	8447D	1937A02834	01/04/2012	01/03/2013
Pre-Amplifier	EMC Instruments Corp.	EMC0126530	980038	01/04/2012	01/03/2013
Attenuator	Mini-Circuit	BW-S10W2+	004	02/28/2012	02/27/2013
Radio Communication Analyzer	R & S	CMU200	102189	08/12/2010	08/11/2012
WIDEB. RADIO COMIN. TESTER	R & S	CMW500	101582	07/12/2010	07/11/2012
Turn Table	HD	DT420	N/A	N.C.R	N.C.R
Antenna Tower	HD	MA240-N	240/657	N.C.R	N.C.R
Controller	HD	HD100	N/A	N.C.R	N.C.R
Low Loss Cable	HUBER+SUHNER	966_Tx	10m	01/04/2012	01/03/2013
Low Loss Cable	HUBER+SUHNER	966_Rx	3m	01/04/2012	01/03/2013
Filter 800-1000	Micro-Tronics	EWT	M2	05/25/2011	05/24/2013
Filter 1800-2000	Micro-Tronics	EWT	M2	05/25/2011	05/24/2013
1GHz High Pass Filter	Micro-Tronics	HPM50108	32	02/28/2012	02/27/2013
2GHz High Pass Filter	Micro-Tronics	HPM50110	36	02/28/2012	02/27/2013
3m Site NSA	SGS	966 chamber	N/A	07/15/2011	07/14/2012

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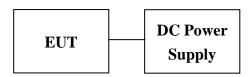
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2.5. Configuration of Tested System

Fig. 2-1 Configuration of Tested System



Remote site



Table 2-1 Equipment Used in Tested System

Item	Equipment	Mfr/Brand	Model / Type No.	Series No.
1.	DC Power Supply	Topward	3303D	981327
2.	Universal Radio Com- munication Tester	R&S	CMU200	102189

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3. SUMMARY OF TEST RESULTS

FCC Rules	Description Of Test	Result
§2.1046(a)	RF Power Output	Compliant
§2.1046(a)		
§22.913(a)(2)	ERP/ EIRP measurement	Compliant
§24.232(c)		
§2.1049(h)	99% Occupied Bandwidth	Compliant
§2.1051	Out of Band Emissions at Antenna	
§22.917(a)	Terminals and	Compliant
§24.238(a)	Band Edge	
§2.1053		
§22.917(a)	Field Strength of Spurious Radiation	Compliant
§24.238(a)		
§2.1055(a)(1)		
§22.355	Frequency Stability vs. Temperature	Compliant
§24.235		
§2.1055(d)(2)		
§22.355	Frequency Stability vs. Voltage	Compliant
§24.235		

Max ERP/EIRP measurement result:

	dBm	dB	W
GPRS 850 Band	24.41	ERP	0.276
GPRS 1900 Band	25.62	EIRP	0.365

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4. DESCRIPTION OF TEST MODES

The EUT has been tested under operating condition.

EUT was staying in continuous transmitting mode. Channel Low, Mid and High for each band with rated data rate were chosen for full testing.

5. MEASUREMENT UNCERTAINTY FOR FIELD STRENGTH OF SPURIOUS RADIATION

	30MHz - 180MHz: 3.37dB
Maagungement un containty	180MHz -417MHz: 3.19dB
Measurement uncertainty (Polarization : Vertical)	0.417GHz-1GHz: 3.19dB
	1GHz - 18GHz: 4.04dB
	18GHz - 40GHz: 4.04dB

Magazina	30MHz - 167MHz: 4.22dB
	167MHz -500MHz: 3.44dB
Measurement uncertainty (Polarization : Horizontal)	0.5GHz-1GHz: 3.39dB
	1GHz - 18GHz: 4.08dB
	18GHz - 40GHz: 4.08dB

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6. RF POWER OUTPUT MEASUREMENT

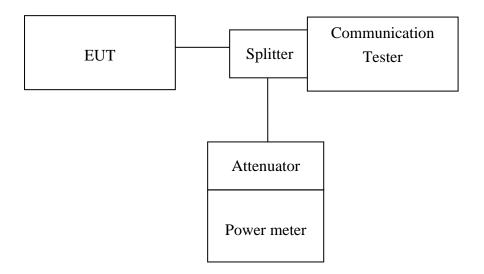
6.1. Standard Applicable:

According to FCC §2.1046.

FCC 22.913(a) Mobile station are limited to 7W.

FCC 24.232(C) Peak Power Measurement to 2W.

6.2. Test Set-up:



Note: Measurement setup for testing on Antenna connector

6.3. Measurement Procedure:

The transmitter output was connected to a calibrated attenuator, the other end of which was connected to a power meter. Transmitter output was read off the power meter in dBm. The power output at the transmitter antenna port was determined by adding the value of the attenuator to the power meter reading.

6.4. Measurement Equipment Used:

Refer to section 2.4 in this report

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6.5. Measurement Result:6.5.1. RF Conducted Output Power Result:

EUT Mode	Frequency (MHz)	СН	Peak Power (1DN 1UP) (dBm)	Avg. Power (1DN 1UP) (dBm)	Peak Power (1DN 2UP) (dBm)	Avg. Power (1DN 2UP) (dBm)
	824.2	128	32.50	32.40	32.40	32.20
GPRS 850 (Class 10)	836.6	190	32.30	32.20	32.20	32.10
	848.8	251	32.10	32.00	32.00	31.90

EUT Mode	Frequency (MHz)	СН	Peak Power (1DN 1UP) (dBm)	Avg. Power (1DN 1UP) (dBm)	Peak Power (1DN 2UP) (dBm)	Avg. Power (1DN 2UP) (dBm)
	1850.2	512	(dD III) 29.60	(ubii) 29.50	(ubii) 29.50	29.40
GPRS 1900 (Class 10)	1880.0	661	29.50	29.40	29.40	29.30
	1909.8	810	28.90	28.80	28.80	28.70

Cable loss offset : 1.0 dB for 850 Cable loss offset : 1.3 dB for 1900

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6.5.2. Minimum Communications Power Measurement

PCS 1900 band

PCL	3	4	5	6	7	8	9	10	11
Output power (dBm)	29.4	28	26.4	24.6	22.7	20.8	18.9	16.7	14.9
PCL	12	13	14	15	16	17	18		
Output power (dBm)	13	11.4	9.3	7.2	5.2	3.2	1.1		

Note: The EUT output power was controlled by simulator. Set Communication Tester CMU200 PCL as above, and get the mobile phone output power reading.

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7. ERP, EIRP MEASUREMENT

7.1. Standard Applicable:

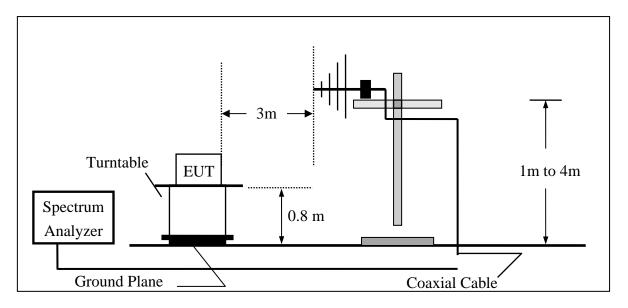
According to FCC §2.1046

FCC 22.913(a) Mobile station are limited to 7W ERP.

FCC 24.232(c) Mobile station are limited to 2W EIRP.

7.2. Test SET-UP (Block Diagram of Configuration):

(A) Radiated Emission Test Set-Up, Frequency Below 1000MHz



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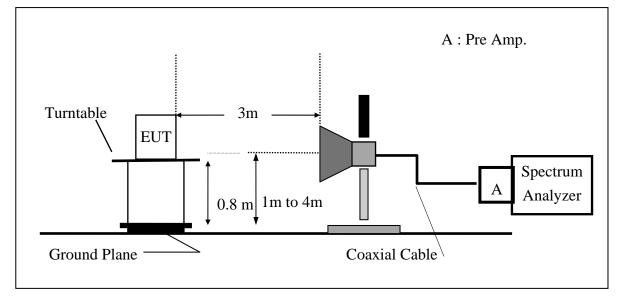
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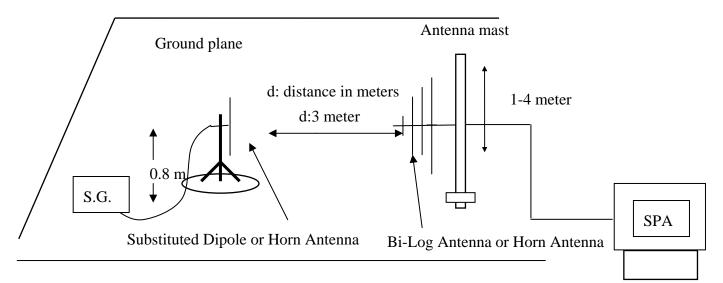


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(B) Radiated Emission Test Set-UP Frequency Over 1 GHz

(C) Substituted Method Test Set-UP



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7.3. Measurement Procedure:

The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.

During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824.2 –848.80MHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:

EIRP in frequency band 1710-1755MHz and 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by a horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:

ERP = S.G. output (dBm) + Antenna Gain (dBd) - Cable Loss (dB)EIRP = S.G. output (dBm) + Antenna Gain (dBi) - Cable Loss (dB)

7.4. Measurement Equipment Used:

Refer to section 2.4 in this report

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7.5. Measurement Result:

EUT				Measurement																
Operation Band	Pol.	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	ERP	Limit											
		MHz		V/H	dBm	dBd	dB	dBm	dBm											
		E2		824.20	128	V	20.05	3.96	-4.22	19.79	38.45									
				EO	EO	EO	EO	EQ	EQ	E3			824.20	120	Н	24.49	3.96	-4.22	24.23	38.45
GPRS 850											E2 836.60	100	V	20.84	4.00	-4.24	20.60	38.45		
GPK5 850	E2	830.00	190	Н	24.65	4.00	-4.24	24.41	38.45											
		848.80	251	V	20.56	4.03	-4.33	20.26	38.45											
				Н	23.88	4.03	-4.33	23.58	38.45											

EUT				Measurement								
Operation Band	Pol.	Fundamental Frequency	СН	Antenna Pol.	S.G. Output	Antenna Gain	Cable Loss	EIRP	Limit			
		MHz		V/H	dBm	dBi	dB	dBm	dBm			
	F2				1850.20	512	V	24.56	4.17	-5.49	23.24	33.00
		1850.20	512	Н	26.60	4.51	-5.49	25.62	33.00			
GPRS		Г2	Г2	E 2	E2	1990.00	((1	V	23.09	4.13	-5.56	21.67
1900	E2	1880.00	661	Н	25.96	4.44	-5.56	24.83	33.00			
		1909.80 810	810	V	22.16	4.10	-5.56	20.69	33.00			
			010	Н	25.33	4.36	-5.56	24.13	33.00			

Remark :

(1) The RBW, VBW of SPA for frequency RBW=300K, VBW=1MHz

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8. 99% OCCUPIED BANDWIDTH MEASUREMENT

8.1. Standard Applicable:

According to §FCC 2.1049.

8.2. Test Set-up:

Refer to section 5.2 in this report

8.3. Measurement Procedure:

The EUT's output RF connector was connected with a short cable to the spectrum analyzer, RBW (10/30KHz) was set to about 1% of emission BW, VBW= 3 times RBW(30/100KHz), -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

8.4. Measurement Equipment Used:

Refer to section 2.4 in this report

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8.5. Measurement Result:

EUT Mode	Frequency (MHz)	СН	99% Bandwidth (kHz)
	824.20	128	246.663
GPRS 850	836.60	190	246.738
	848.80	251	241.971

EUT Mode	Frequency (MHz)	СН	99% Bandwidth (kHz)
	1850.20	512	245.733
GPRS 1900	1880.00	661	247.459
	1909.80	810	242.282

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Figure 7-1: GPRS 850 Channel Low

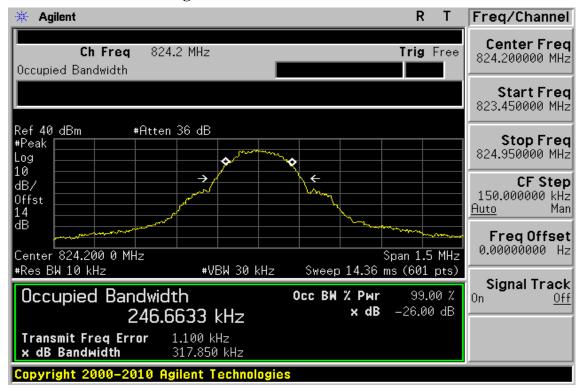
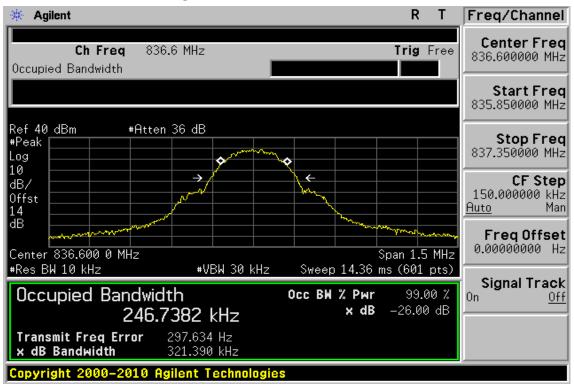


Figure 7-2 GPRS 850 Channel Mid



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Figure 7-3: GPRS 850 Channel High

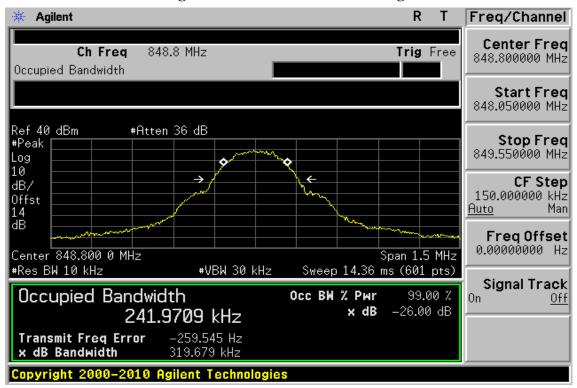
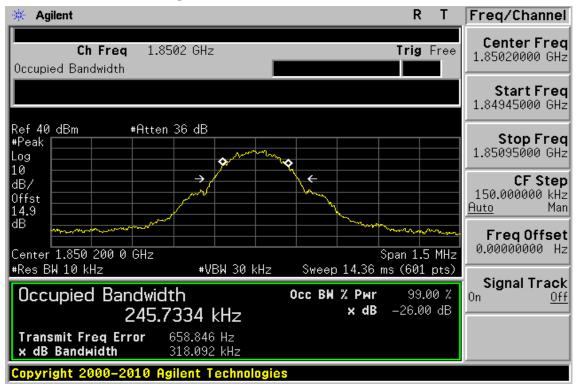


Figure 7-4: GPRS 1900 Channel Low



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Figure 7-5: GPRS 1900 Channel Mid

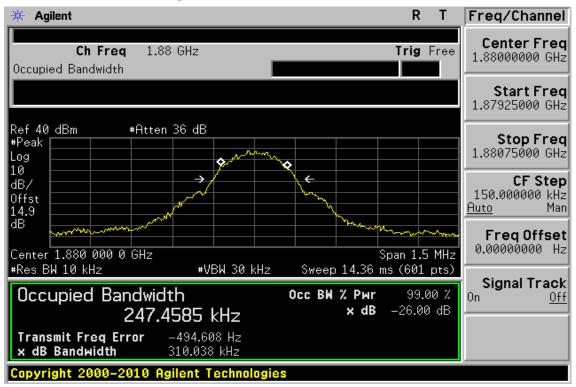
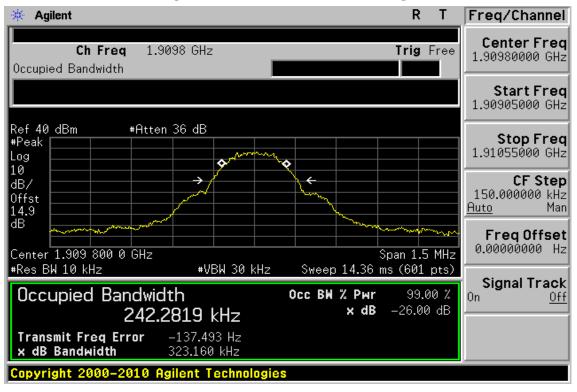


Figure 7-6: GPRS 1900 Channel High



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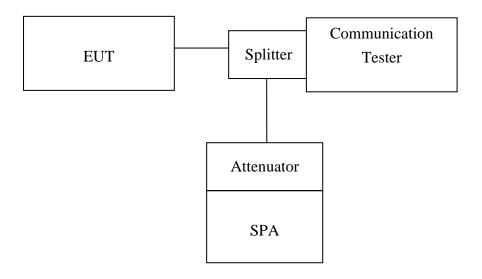
9. OUT OF BAND EMISSION AT ANTENNA TERMINALS

9.1. Standard Applicable:

According to FCC §2.1051.

FCC \$22.917(a), \$24.238(a) the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than $43 + 10 \log$ (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm)

9.2. Test SET-UP:



Note: Measurement setup for testing on Antenna connector

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9.3. Measurement Procedure:

The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.

For the out of band: Set the RBW, VBW = 1MHz, Start=30MHz, Stop= 10 th harmonic. Limit = -13dBm

Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions. Limit, -13dBm.

Conducted Emission:

- 1. To connect Antenna Port of EUT to Spectrum.
- 2. Set RBW = 1MHz & VBW = 1MHz on Spectrum.
- 3. Sweep the frequency to determine spurious emission as seen on spectrum from span of 30 to 1G, 1G to 2.5G, 2.5G to 7.5G, 7.5G to 10G, 10G to 15G and 15G to 20GHz
- 4. Via Software, combine 6 spans of frequency range into one plot

9.4. Measurement Equipment Used:

Refer to section 2.4 in this report

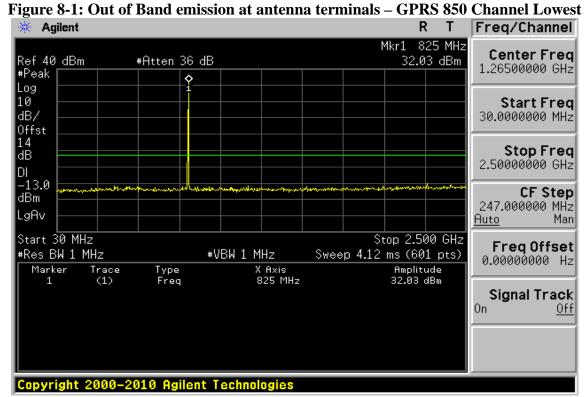
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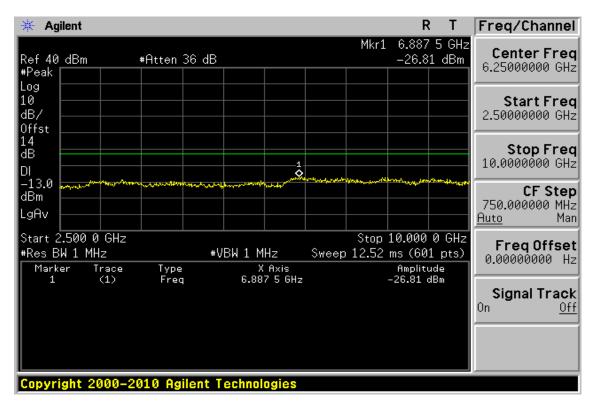
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9.5. Measurement Result:





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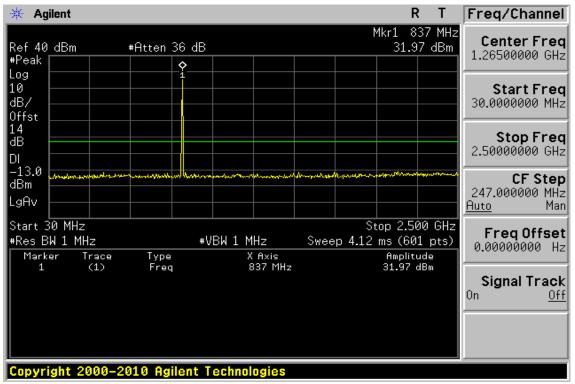
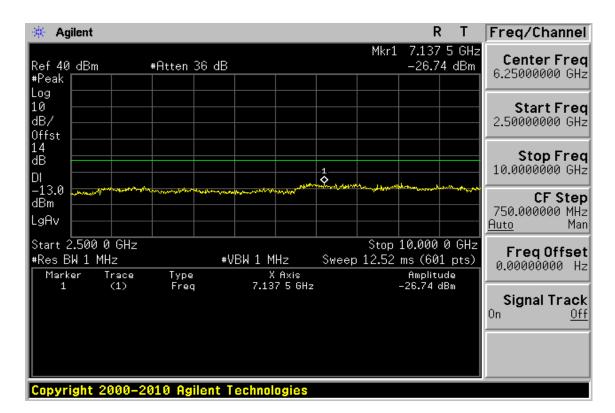


Figure 8-2: Out of Band emission at antenna terminals – GPRS 850 Channel Mid



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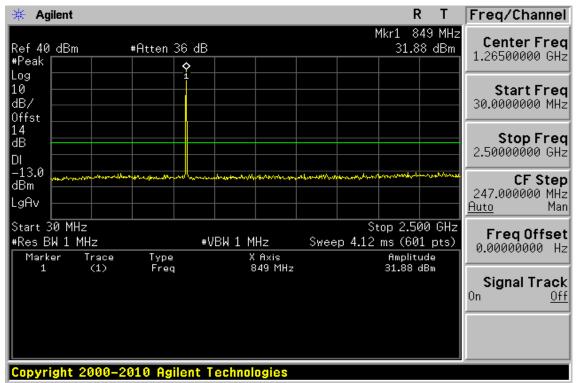
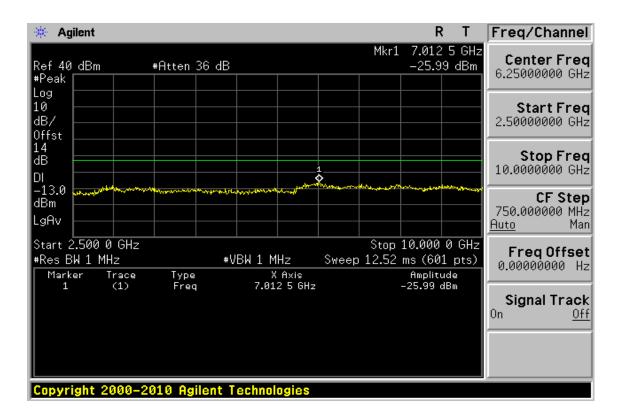


Figure 8-3: Out of Band emission at antenna terminals – GPRS 850 Channel Highest



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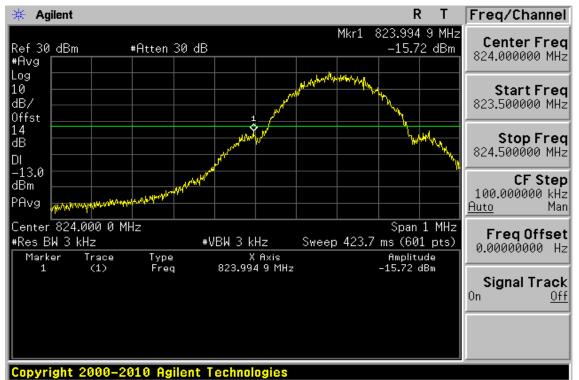
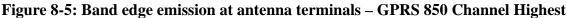
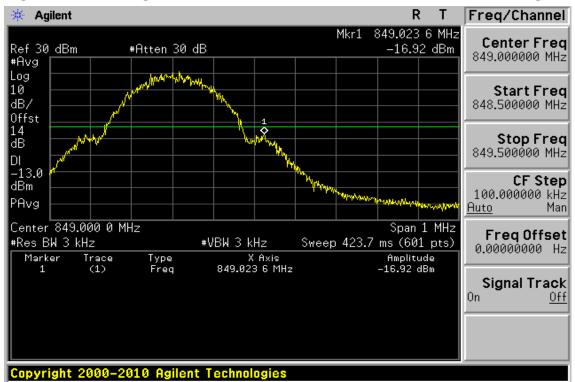


Figure 8-4: Band edge emission at antenna terminals – GPRS 850 Channel Lowest





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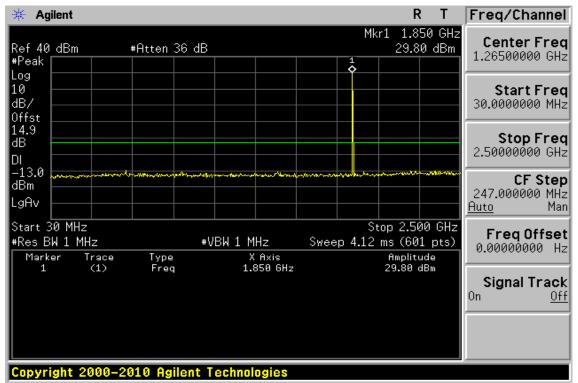
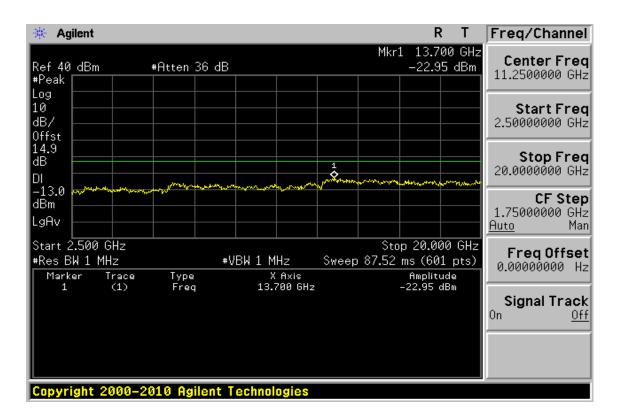


Figure 8-6: Out of Band emission at antenna terminals – GPRS 1900 Channel Lowest



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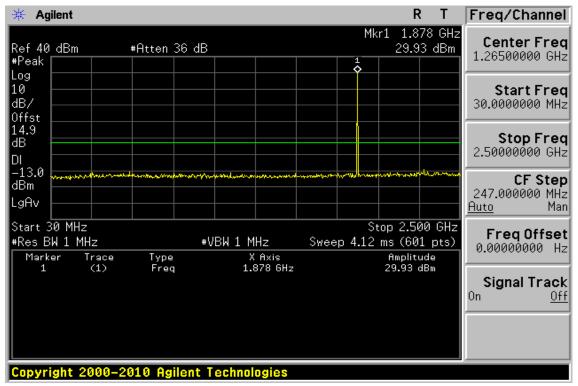
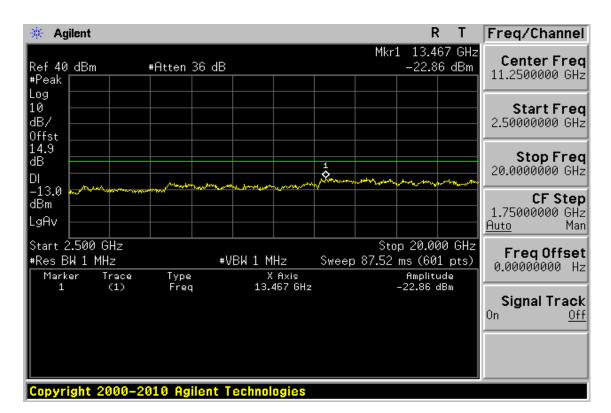


Figure 8-7: Out of Band emission at antenna terminals – GPRS 1900 Channel Mid



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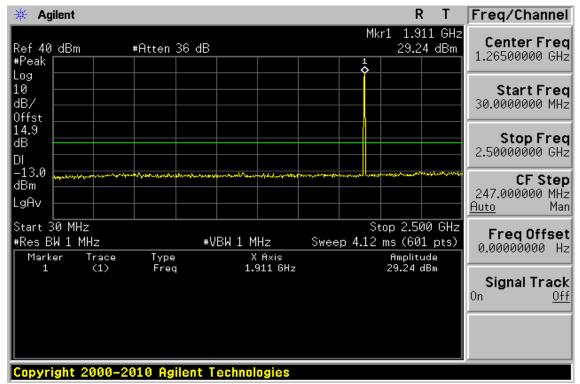
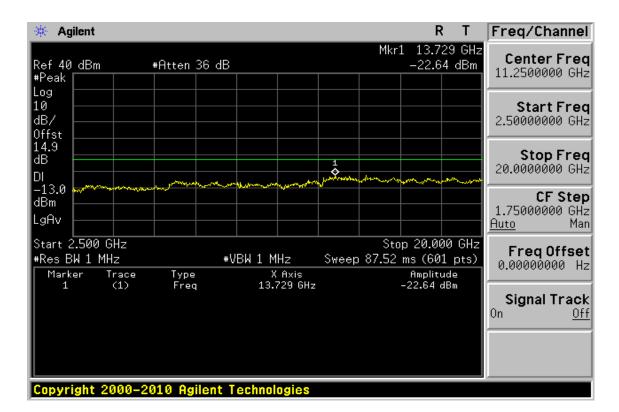


Figure 8-8: Out of Band emission at antenna terminals – GPRS 1900 Channel Highest



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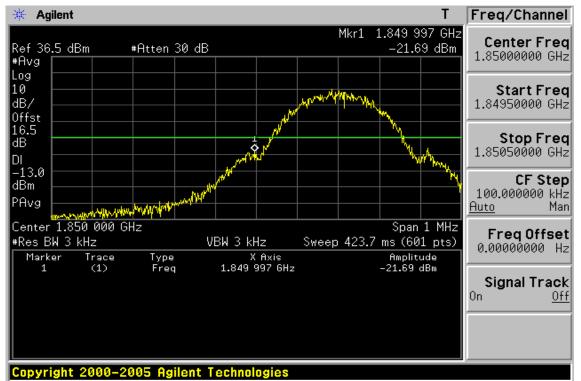
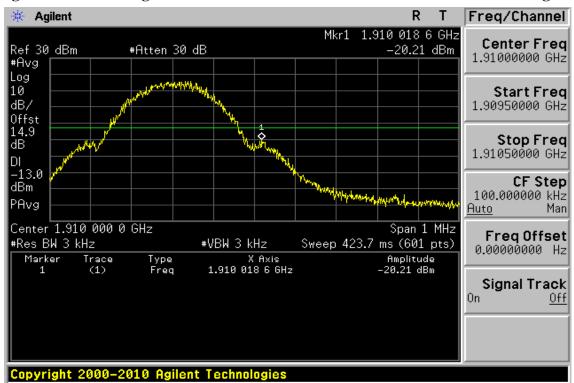


Figure 8-9: Band edge emission at antenna terminals – GPRS 1900 Channel Lowest

Figure 8-10: Band edge emission at antenna terminals - GPRS 1900 Channel Highest



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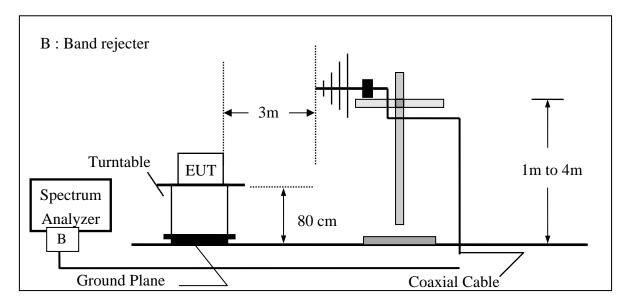
10. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT (TX)

10.1. Standard Applicable:

According to FCC §2.1053,

FCC \$22.917(a), \$24.238(a) the magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specified in the instruction manual and/ or alignment procedure, shall not be less than $43 + 10 \log$ (mean output power in watts) dBc below the mean power output outside a license's frequency block (-13dBm)

10.2. EUT Setup (Block Diagram of Configuration):



Radiated Emission Test Set-Up, Frequency Below 1000MHz

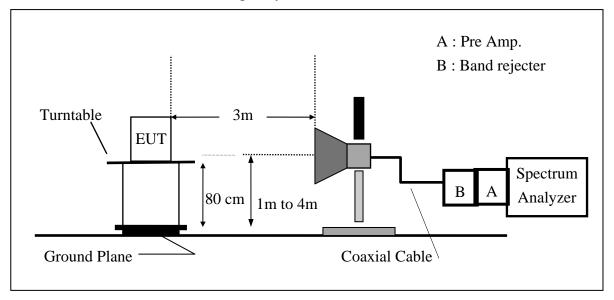
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Radiated Emission Test Set-UP Frequency Over 1 GHz

10.3. Measurement Procedure:

The EUT was placed on a non-conductive, The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP= S.G. output (dBm) + Antenna Gain (dBd) – Cable Loss (dB)

EIRP = S.G. output (dBm) + Antenna Gain(dBi) – Cable Loss (dB)

10.4. Measurement Equipment Used:

Refer to section 2.4 in this report

10.5. Measurement Result:

Refer to attach tabular data sheets.

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Radiated Spurious Emission Measurement Result: GPRS 850 Mode

Operation Band	:GPRS 850	Test Date	:2012-04-24
ARFCN	:CH 128	Temp./Humi.	:21.3 deg_C / 58 RH
Fundamental Frequency	:824.2 MHz	Engineer	:Jay
Operation Mode	:CH LOW		
EUT Pol.	:E2 plan	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Safe
			Output Level	Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
125.06	S	-73.62	-69.82	-1.03	-2.77	-13.00	-60.62
158.04	S	-76.78	-73.18	-0.67	-2.93	-13.00	-63.78
251.16	S	-78.60	-79.93	4.57	-3.23	-13.00	-65.60
416.06	S	-84.03	-85.05	4.65	-3.62	-13.00	-71.03
618.79	S	-78.41	-78.51	4.06	-3.97	-13.00	-65.41
698.33	S	-77.75	-77.84	4.15	-4.07	-13.00	-64.75
1648.40	Н	-54.86	-51.89	2.39	-5.36	-13.00	-41.86
2472.60	Н						
3296.80	Н						
4121.00	Н						
4945.20	Н						
5769.40	Н						
6593.60	Н						
7417.80	Н						
8242.00	Н						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Operation Band ARFCN Fundamental Frequency Operation Mode		:GPRS 850 :CH 128 :824.2 MHz :CH LOW	Test Date Temp./Humi. Engineer			:2012-04-24 :21.3 deg_C / 58 RH :Jay		
EUT Pol.		:E2 plan	Measurement Antenna Pol.		:HORIZON	TAL		
Freq.	Note	ERP	SG	Antenna	Cable	Limit	Safe	
-			Output Level	Gain	Loss		Margin	
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB	
124.09	S	-70.80	-66.94	-1.09	-2.77	-13.00	-57.80	
158.04	S	-75.06	-71.45	-0.67	-2.93	-13.00	-62.06	
250.19	S	-75.76	-77.08	4.55	-3.23	-13.00	-62.76	
328.76	S	-77.04	-78.24	4.65	-3.44	-13.00	-64.04	
503.36	S	-83.73	-84.74	4.71	-3.70	-13.00	-70.73	
720.64	S	-78.85	-78.76	3.89	-3.98	-13.00	-65.85	
1648.40	Н	-54.93	-52.25	2.68	-5.36	-13.00	-41.93	
2472.60	Н							
3296.80	Н							
4121.00	Н							
4945.20	Н							
5769.40	Н							
6593.60	Н							
7417.80	Н							
8242.00	Н							

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Operation Band ARFCN Fundamental Frequency				Test Date Temp./Humi. Engineer	:2012-04-24 :21.3 deg_C / 58 RH :Jay		
Operation Mode EUT Pol.		:CH MID :E2 plan		Measurement Ante	enna Pol.	:VERTICAL	
Freq	Note	FRP	SG	Antenna	Cable	Limit	Safe

Freq.	Note	ERP	SG	Antenna	Cable	Limit	Safe
			Output Level	Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
125.06	S	-73.71	-69.92	-1.03	-2.77	-13.00	-60.71
158.04	S	-75.67	-72.07	-0.67	-2.93	-13.00	-62.67
253.10	S	-77.37	-78.74	4.60	-3.23	-13.00	-64.37
337.49	S	-84.49	-85.75	4.71	-3.44	-13.00	-71.49
587.75	S	-79.29	-79.56	4.16	-3.90	-13.00	-66.29
701.24	S	-78.56	-78.63	4.13	-4.07	-13.00	-65.56
1673.20	Н	-54.20	-51.19	2.33	-5.34	-13.00	-41.20
2509.80	Н						
3346.40	Н						
4183.00	Н						
5019.60	Н						
5856.20	Н						
6692.80	Н						
7529.40	Н						
8366.00	Н						

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Operation Band ARFCN Fundamental Frequency Operation Mode		:CH 190		Test Date Temp./Humi. Engineer		:2012-04-24 :21.3 deg_C / 58 RH :Jay	
EUT Pol.	vioue	:E2 plan	Measurement Antenna Pol.		:HORIZON	TAL	
Freq.	Note	ERP	SG	Antenna	Cable	Limit	Safe
			Output Leve	l Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB

IVIIIZ	1/11/L/J	uDIII	uDili	uDu	uD	uDIII	uD
124.09	S	-71.68	-67.82	-1.09	-2.77	-13.00	-58.68
159.01	S	-74.81	-71.26	-0.62	-2.93	-13.00	-61.81
252.13	S	-76.95	-78.30	4.58	-3.23	-13.00	-63.95
322.94	S	-77.68	-78.91	4.62	-3.39	-13.00	-64.68
362.71	S	-80.88	-82.15	4.70	-3.43	-13.00	-67.88
732.28	S	-78.25	-77.86	3.74	-4.14	-13.00	-65.25
1673.20	Н	-57.54	-54.86	2.66	-5.34	-13.00	-44.54
2509.80	Н	-59.50	-56.92	3.55	-6.13	-13.00	-46.50
3346.40	Н						
4183.00	Н						
5019 60	н						

5019.60	Н	
5856.20	Н	
6692.80	Н	
7529.40	Н	
8366.00	Н	

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Operation Band ARFCN Fundamental Frequency Operation Mode		:CH 251 :848.8 MHz		Test Date Temp./Humi. Engineer		:2012-04-24 :21.3 deg_C / 58 RH :Jay		
EUT Pol.	lode	:CH HIGH :E2 plan		Mea	surement Ant	enna Pol.	:VERTICA	Ĺ
Freq.	Note	ERP	SG	1	Antenna	Cable	Limit	Safe

			Output Level	Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB
125.06	S	-73.13	-69.34	-1.03	-2.77	-13.00	-60.13
158.04	S	-75.24	-71.64	-0.67	-2.93	-13.00	-62.24
250.19	S	-79.71	-81.03	4.55	-3.23	-13.00	-66.71
361.74	S	-84.16	-85.43	4.70	-3.43	-13.00	-71.16
601.33	S	-78.47	-78.58	4.03	-3.92	-13.00	-65.47
747.80	S	-77.99	-77.32	3.56	-4.23	-13.00	-64.99
1697.60	Н	-49.02	-45.91	2.29	-5.40	-13.00	-36.02
2546.40	Н	-56.27	-53.34	3.30	-6.24	-13.00	-43.27
3395.20	Н						
4244.00	Н						
5092.80	Н						
5941.60	Н						

6790.40H---7639.20H---8488.00H---

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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5092.80

5941.60

6790.40

7639.20

8488.00

Η

Η

Η

Η

Η

FCC ID: TET-SFLITELOCATOR

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Operation Band ARFCN Fundamental Frequency Operation Mode		:GPRS 850 :CH 251 :848.8 MHz :CH HIGH		Test Date Temp./Humi. Engineer		:2012-04-24 :21.3 deg_C / 58 RH :Jay	
EUT Pol.	vioue	:E2 plan	-		_{ol.} :HORIZONTAL		
Freq.	Note	ERP	SG Output Leve	Antenna I Gain	Cable Loss	Limit	Safe Margin
MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB

 MHz	F/H/E/S	dBm	dBm	dBd	dB	dBm	dB	
124.09	S	-71.14	-67.28	-1.09	-2.77	-13.00	-58.14	
158.04	S	-74.80	-71.20	-0.67	-2.93	-13.00	-61.80	
250.19	S	-76.25	-77.57	4.55	-3.23	-13.00	-63.25	
327.79	S	-76.87	-78.07	4.64	-3.44	-13.00	-63.87	
540.22	S	-83.15	-83.99	4.61	-3.77	-13.00	-70.15	
706.09	S	-80.08	-80.17	4.07	-3.98	-13.00	-67.08	
1697.60	Н	-55.21	-52.46	2.65	-5.40	-13.00	-42.21	
2546.40	Н	-54.67	-52.09	3.66	-6.24	-13.00	-41.67	
3395.20	Н							
4244.00	Н							

ERP(dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Radiated Spurious Emission Measurement Result: GPRS 1900 Mode

Operation Band	:GPRS 1900	Test Date	:2012-04-24
ARFCN	:CH 512	Temp./Humi.	:21.3 deg_C / 58 RH
Fundamental Frequency	:1850.2 MHz	Engineer	:Jay
Operation Mode	:CH LOW		
EUT Pol.	:E2 plan	Measurement Antenna Pol.	:VERTICAL

Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
			Output Level	Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
125.06	S	-76.34	-74.70	1.12	-2.77	-13.00	-63.34
159.01	S	-76.74	-75.34	1.53	-2.93	-13.00	-63.74
199.75	S	-79.07	-82.84	6.85	-3.09	-13.00	-66.07
252.13	S	-81.09	-84.60	6.73	-3.23	-13.00	-68.09
570.29	S	-77.43	-80.05	6.50	-3.87	-13.00	-64.43
747.80	S	-76.65	-78.12	5.71	-4.23	-13.00	-63.65
3700.40	Н	-48.06	-48.49	7.40	-6.98	-13.00	-35.06
5550.60	Н						
7400.80	Н						
9251.00	Н						
11101.20	Н						
12951.40	Н						
14801.60	Н						
16651.80	Н						
18502.00	Н						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Operation ARFCN Fundament Operation	tal Frequency	:GPRS 1900 :CH 512 :1850.2 MHz :CH LOW	r	Temp./Humi.		:2012-04-24 :21.3 deg_C :Jay	
EUT Pol.		:E2 plan]	Measurement Ant	enna Pol.	:HORIZON	TAL
Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
			Output Leve	el Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
124.09	S	-73.39	-71.68	1.06	-2.77	-13.00	-60.39
159.01	S	-75.30	-73.90	1.53	-2.93	-13.00	-62.30
191.99	S	-82.42	-85.36	6.02	-3.09	-13.00	-69.42
249.22	S	-81.55	-85.01	6.69	-3.23	-13.00	-68.55
328.76	S	-81.93	-85.28	6.80	-3.44	-13.00	-68.93
753.62	S	-77.80	-79.28	5.71	-4.23	-13.00	-64.80
3700.40	Н	-52.72	-52.65	6.90	-6.98	-13.00	-39.72
5550.60	Н						
7400.80	Н						
9251.00	Н						
11101.20	Н						
12951.40	Н						
14801.60	Н						
16651.80	Н						
18502.00	Н						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Operation ARFCN Fundament Operation	tal Frequency	:GPRS 1900 :CH 661 :1880.0 MHz :CH MID]	Гest Date Гemp./Humi. Engineer		:2012-04-24 :21.3 deg_C :Jay	
EUT Pol.		:E2 plan	Ν	Measurement Ant	enna Pol.	:VERTICA	L
Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
			Output Leve	el Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
125.06	S	-76.06	-74.42	1.12	-2.77	-13.00	-63.06
158.04	S	-76.55	-75.10	1.48	-2.93	-13.00	-63.55
198.78	S	-80.21	-83.88	6.75	-3.09	-13.00	-67.21
252.13	S	-81.30	-84.81	6.73	-3.23	-13.00	-68.30
547.01	S	-78.53	-81.42	6.74	-3.85	-13.00	-65.53
688.63	S	-76.26	-78.49	6.29	-4.07	-13.00	-63.26
3760.00	Н	-50.49	-50.80	7.42	-7.12	-13.00	-37.49
5640.00	Н						
7520.00	Н						
9400.00	Н						
11280.00	Н						
13160.00	Н						
15040.00	Н						
16920.00	Н						
18800.00	Н						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Operation I ARFCN Fundament Operation I	al Frequency	:GPRS 1900 :CH 661 :1880.0 MHz :CH MID	r	Гest Date Гетр./Humi. Engineer		:2012-04-24 :21.3 deg_C :Jay	
EUT Pol.		:E2 plan	1	Measurement Ant	enna Pol.	:HORIZON	TAL
Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
			Output Leve	el Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
124.09	S	-73.22	-71.51	1.06	-2.77	-13.00	-60.22
158.04	S	-75.77	-74.31	1.48	-2.93	-13.00	-62.77
191.99	S	-82.07	-85.00	6.02	-3.09	-13.00	-69.07
249.22	S	-81.46	-84.92	6.69	-3.23	-13.00	-68.46
326.82	S	-80.85	-84.19	6.78	-3.44	-13.00	-67.85
495.60	S	-80.17	-83.32	6.85	-3.70	-13.00	-67.17
3760.00	Н	-51.83	-51.56	6.85	-7.12	-13.00	-38.83
5640.00	Н						
7520.00	Н						
9400.00	Н						
11280.00	Н						
13160.00	Н						
15040.00	Н						
16920.00	Н						
18800.00	Н						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Operation ARFCN Fundament Operation	al Frequency	:GPRS 1900 :CH 810 :1909.8 MHz :CH HIGH	r	Гest Date Гemp./Humi. Engineer		:2012-04-24 :21.3 deg_C :Jay	
EUT Pol.		:E2 plan	I	Measurement Ant	enna Pol.	:VERTICA	L
Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
			Output Leve	el Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
125.06	S	-76.45	-74.81	1.12	-2.77	-13.00	-63.45
158.04	S	-76.98	-75.53	1.48	-2.93	-13.00	-63.98
199.75	S	-82.20	-85.96	6.85	-3.09	-13.00	-69.20
252.13	S	-81.28	-84.79	6.73	-3.23	-13.00	-68.28
552.83	S	-77.86	-80.71	6.70	-3.85	-13.00	-64.86
695.42	S	-77.09	-79.32	6.30	-4.07	-13.00	-64.09
3819.60	Н	-55.01	-55.32	7.50	-7.20	-13.00	-42.01
5729.40	Н						
7639.20	Н						
9549.00	Н						
11458.80	Н						
13368.60	Н						
15278.40	Н						
17188.20	Н						
19098.00	Н						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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Operation D ARFCN Fundament Operation D	al Frequency	:GPRS 1900 :CH 810 :1909.8 MHz :CH HIGH	,	Test Date Temp./Humi. Engineer		:2012-04-24 :21.3 deg_C :Jay	
EUT Pol.		:E2 plan]	Measurement Ant	enna Pol.	:HORIZON	TAL
Freq.	Note	EIRP	SG	Antenna	Cable	Limit	Safe
			Output Leve	el Gain	Loss		Margin
MHz	F/H/E/S	dBm	dBm	dBi	dB	dBm	dB
125.06	S	-73.74	-72.09	1.12	-2.77	-13.00	-60.74
158.04	S	-75.43	-73.98	1.48	-2.93	-13.00	-62.43
191.99	S	-82.96	-85.90	6.02	-3.09	-13.00	-69.96
247.28	S	-81.05	-84.48	6.66	-3.23	-13.00	-68.05
326.82	S	-81.38	-84.72	6.78	-3.44	-13.00	-68.38
504.33	S	-81.13	-84.29	6.86	-3.70	-13.00	-68.13
3819.60	Н	-56.38	-56.22	7.03	-7.20	-13.00	-43.38
5729.40	Н						
7639.20	Н						
9549.00	Н						
11458.80	Н						
13368.60	Н						
15278.40	Н						
17188.20	Н						
19098.00	Н						

EIRP(dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

Note : "F" : denotes Fundamental Frequency. ; "H" : denotes Harmonic Frequency.

"E" : denotes Band Edge Frequency. ; "S" : denotes Spurious Frequency.

"---": denotes Noise Floor.

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11. FREQUENCY STABILITY V.S. TEMPERATURE MEASUREMENT

11.1. Standard Applicable:

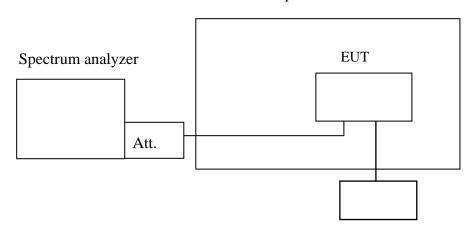
According to FCC §2.1055(a) (1)

Frequency Tolerance: +/-2.5ppm for 850MHz band

+/-2.5ppm for 1900MHz band

11.2. Test Set-up:

Temperature Chamber



Variable DC Power Supply

Note: Measurement setup for testing on Antenna connector

11.3. Measurement Procedure:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25° C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30° C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10° C increased per stage until the highest temperature of $+50^{\circ}$ C reached.

11.4. Measurement Equipment Used:

Refer to section 2.4 in this report

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11.5. Measurement Result:

Refer	Reference Frequency: GPRS 850 Mid Channel 836.6 MHz @ 25° C						
	Limit	: +/- 2.5 ppm = 209	91 Hz				
Power Supply	Environment	Frequency	Dolto (Uz)	Limit (IIa)			
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)			
3.7	-30	836.600010	-4.00	2091			
3.7	-20	836.600007	-1.00	2091			
3.7	-10	836.600008	-2.00	2091			
3.7	0	836.600005	1.00	2091			
3.7	10	836.600006	1.00	2091			
3.7	20	836.600006	0.00	2091			
3.7	30	836.600007	-1.00	2091			
3.7	40	836.600005	1.00	2091			
3.7	50	836.600004	2.00	2091			

Refer	Reference Frequency: GPRS 1900 Mid Channel 1880 MHz @ 20°C						
	Limit:	+/-2.5 ppm = 470	00 Hz				
Power Supply	Environment	Frequency	Dolto (Hz)	Limit (Hz)			
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)			
3.7	-30	1880.000021	-7.00	4700			
3.7	-20	1880.000018	-4.00	4700			
3.7	-10	1880.000016	-2.00	4700			
3.7	0	1880.000017	-3.00	4700			
3.7	10	1880.000015	-1.00	4700			
3.7	20	1880.000014	0.00	4700			
3.7	30	1880.000015	-1.00	4700			
3.7	40	1880.000014	0.00	4700			
3.7	50	1880.000012	2.00	4700			

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12. FREQUENCY STABILITY V.S. VOLTAGE MEASUREMENT

12.1. Standard Applicable:

According to FCC §2.1055(a) (1)

Frequency Tolerance: +/-2.5ppm for 850MHz band

+/-2.5ppm for 1900MHz band

12.2. Test Set-up:

Refer to section 10.2 in this report

12.3. Measurement Procedure:

Set chamber temperature to 25° C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.

12.4. Measurement Equipment Used:

Refer to section 2.4 in this report

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12.5. Measurement Result:

Refe	Reference Frequency: GPRS 850 Mid Channel 836.6 MHz @ 25°C						
	Limit	: +/- 2.5 ppm = 209	91 Hz				
Power Supply	Environment	Frequency	Dolto (Hz)	Limit (Hz)			
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)			
4.2	25	836.600008	-2.00	2091			
3.7	25	836.600006	0.00	2091			
3.15	25	836.600010	-4.00	2091			
2.75	25	836.600012	-6.00	2091			
(End Point)	23	830.000012	-0.00	2091			

Refe	Reference Frequency: GPRS 1900 Mid Channel 1880 MHz @ 25°C						
	Limit	: +/- 2.5 ppm = 470	00 Hz				
Power Supply	Environment	Frequency	Delte (Uz)	Limit (IIz)			
Vdc	Temperature (°C)	(MHz)	Delta (Hz)	Limit (Hz)			
4.2	25	1880.000016	-1.00	4700			
3.7	25	1880.000015	0.00	4700			
3.15	25	1880.000018	-3.00	4700			
2.75	25	1880 000024	0.00	4700			
(End Point)	25	1880.000024	-9.00	4700			

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APPENDIX 1 PHOTOGRAPHS OF SET UP

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Radiated Emission Setup Photos





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APPENDIX 2 PHOTOGRAPHS OF EUT

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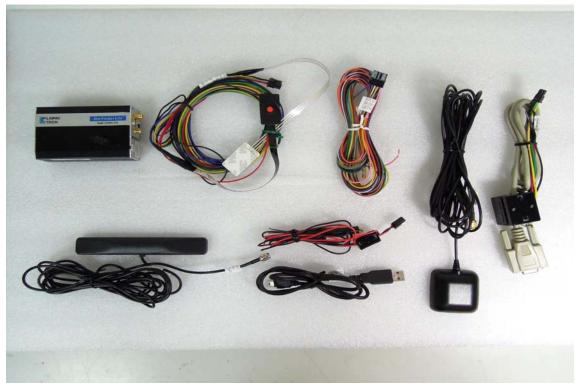
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All View of EUT



Front View of EUT



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Back View of EUT



Side View of EUT – 1



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Side View of EUT – 2



Side View of EUT – 3



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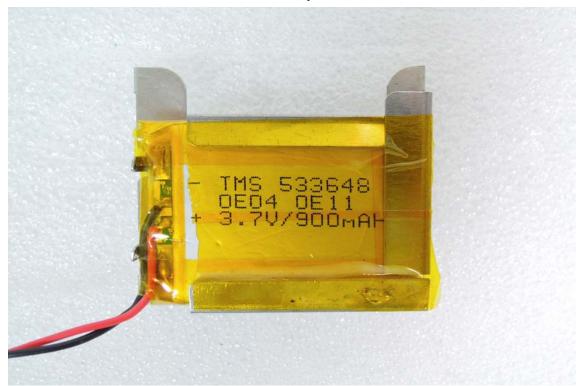


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Side View of EUT – 4



Battery



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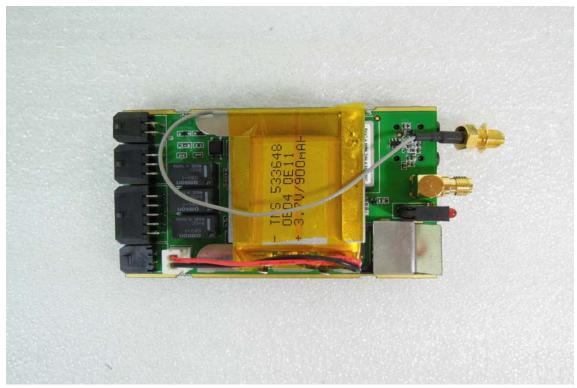


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Open View of EUT – 1



Open View of EUT – 2



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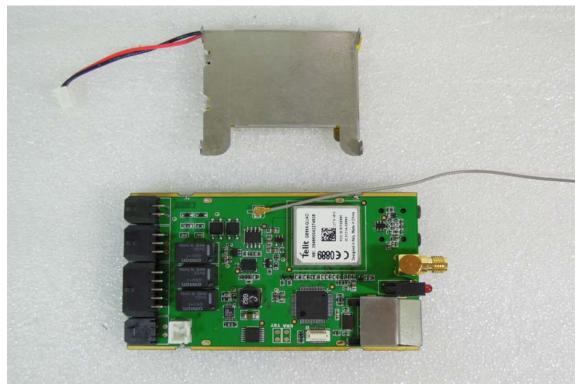
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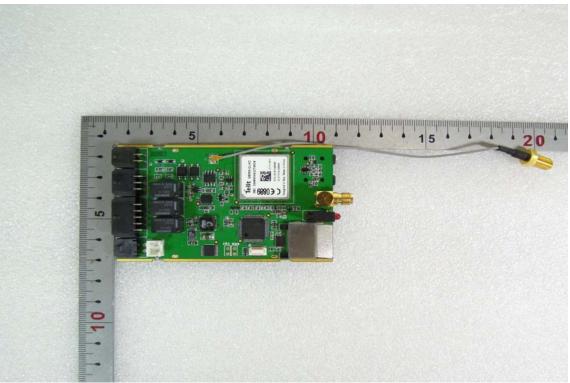


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Open View of EUT – 3



Internal View of EUT – 1



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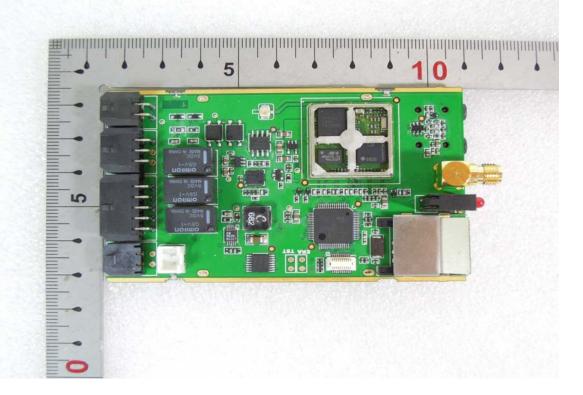


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Internal View of EUT – 2



Internal View of EUT – 3



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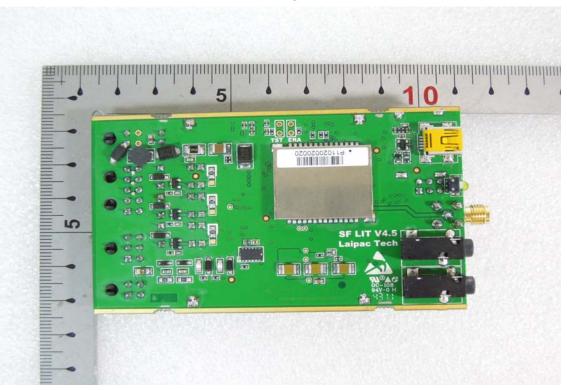
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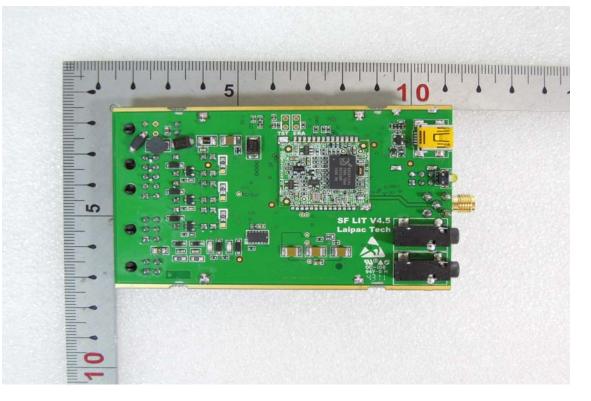


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Internal View of EUT – 4



Internal View of EUT – 5



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GPS Antenna - 1



GPS Antenna - 2



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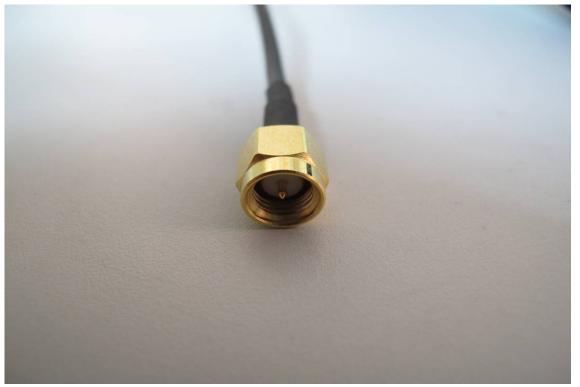
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GSM Antenna - 1



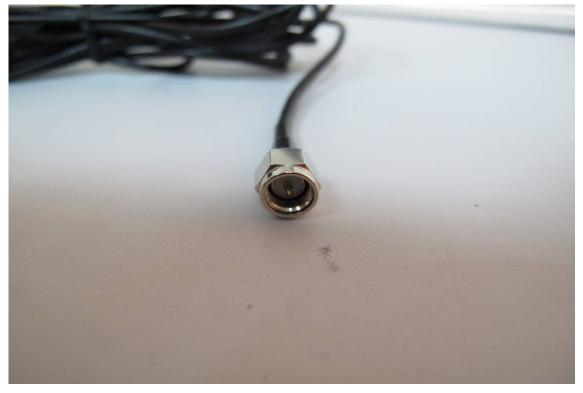
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GSM Antenna - 2



~ End of Report ~

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